FOCS HWII

1. Assume 2. p > 9 prove p > (9 AND r) 4. 9 (2, MP) 5. r (3, MP) 6. 9 Ar (conjuction)

2) P => Q OR R NOT R
Prove p => 9

1. Assume P 2. Q or R (MP) 3. Q or not R (MP) 4. (Q or R) A (Q or not R) (conjuctions) 5. Q or (R A not R) (4, Dist) 6. Q or F (5, negation) 7. Q (6, identity)

$$q \text{ AND } r \Rightarrow \rho \text{ OR } q$$
 $r \mid \rho \text{ OR } q$
 $| r \mid (\rho \Rightarrow q) \text{ AND } (q \Rightarrow r) \mid p \Rightarrow r \mid (p \cdot q) \text{ AND } (q \Rightarrow r) \Rightarrow \rho \text{ AND } (q \Rightarrow$

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